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PATENT

Attorney Docket No. 9233-14DV

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Ekwuribe

Application Serial No.: 10/808,044

Filed: March 24, 2004 for: Amphiphilic Pr

Amphiphilic Prodrugs

Date: May 27, 2004

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT CITATION UNDER 37 C.F.R. § 1.97

Sir:

Attached are ten sheets of form PTO-1449 as submitted in parent application serial no. 09/474,915, filed December 31, 1999, with the parent application serial no., attorney docket no., filing date and art unit crossed out and the current attorney docket no. written in. Also attached is a form PTO-1449, providing a list of documents 1-22. Documents 1-3 have previously made of record in application serial number 09/474,915. Because these references have already been made of record in the parent application, a copy of each of these references is not provided herein. However, applicants will provide a copy of any such reference cited herein upon request from the Examiner. Copies of documents 4-22 are enclosed. Applicants respectfully request that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. §1.97 and Section 609 of the MPEP.

No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment, to Deposit Account No. 50-0220.

Respectfully submitted,

Mary L. Miller

Registration No. 39,303

USPTO Customer No. 20792 Myers Bigel Sibley & Sajovec, P.A. Post Office Box 37428 Raleigh, NC 27627 Telephone (919) 854-1400 Facsimile (919) 854-1401

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I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service and 37 CFR § 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Cathy A. Schetzina

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Examiner Initial		Document Number		Date		Name	Class	Subclass	Filing Date if Appropriate
	1.	5,681,811	10	/28/1997	Ekwurib	е			
	2.	6,380,405	04	/30/2002	Ekwurib	e			
	3.	6,310,039	10	/30/2001	Kratz				
	4.	6,713,454	03	/30/2004	Ekwurib	e			
	5.	6,309,633	10	/30/2001	Ekwurib	e			
	6.	6,703,381	03	/09/2004	Ekwurib	e			
	7	6,541,508	04	/01/2003	Ekwurib	e			
			FOI	REIGN PAT	ENT DOC	UMENTS			
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	8.	772074		11/10/2000	0	AU			
	9.	WO 01/19406		03/22/200	1	PCT			
	10.	WO 00/78302		12/28/2000	0	PCT			
	11.	WO 00/09073		02/24/2000	0	PCT			
,		OTHER DOCU	JME	NTS (Includ	ing Author	, Title, Date, Po	ertinent Pages	, Etc.)	
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	13	U.S. Provisiona	l App	olication No.	60/153,57	79, entitled "Tax	kane Prodrugs	," filed Septer	nber 13, 1999
	14	<u> Hydrolyzable L</u>	ipopl	nile Compon	ents," filed	l August 5, 200	2		
	15	International Se of Mailing: Aug			esponding	to International	Application 1	No. PCT/US 0	0/24523; Date

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Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING IF APPRO	
	AA	5,407,683	18 Apr. 1995	Shively, Merrick L.	424	439		
	AB	5,422,364	6 Jun. 1995	Nicolaou, et al.	514	449		
	AC	5,439,686	8 Aug. 1995	Desai et al.	424	451		
	AD	5,484,809	16 Jan. 1996	Hostetler et al.	514	449		
	ÁE	5,560,933	1 Oct 1996	Soon-Shiong et al.	424	489		
	AF	5,608,087	4 Mar. 1997	Nicolaou et al.	549	510		
	ĀG	5,795,909	18 Aug. 1998	Shashoua et al.	514	449		
	AH	5,817,840	6 Oct. 1998	Nicolaou et al.	549	510		
	AI	5,932,462	2 Aug. 1999	Harris et al.	435	188		
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	AJ	WO 97/33552	18 Sep. 1997	PCT				
	AK	WO 98/58927	30 Dec. 1998	PCT				
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	AL	Concerns." J.	Natl Cancer Inst	tol: A History of Pharmacer Monographs (1993) 15: 14	1-147			
	AM	Arbuck, S.G. "	Taxol (paclitaxe	l): Future directions." Anna	ls of Oncology	(1994) 5(Supp	ol 6): S59-S	562
	AN			ysis, Pharmacokinetics, and in Oncology (1994) 21 (5) (ovel Antica	incer
	AO	Deutsch, H.M.	, et al. "Synthesis	s of Congeners and Prodrug Medicinal Chem (1989) 32:	s. 3. Water-So	luble Prodrug	of Taxol	with
	AP	Greenwald, R.	B., et al. "Drug D	Delivery Systems: Water So Effectiveness." J. Medicinal	luble Taxol 2'-		glycol) Es	ster
	AQ	Greenwald, R.	B. et al. "Highly	Water Soluble Taxol Deriv			Carbamat	es and
	<u></u>	Carbonates." J	Org Chem (1995	5) 60: 331-336 Continue on page 2				
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		OTHER DOCU	MENTS (Includ	ing Author, Title, Journal-Da	te, Page N	umber, Etc.)		
	AR	Horwitz S.B.	TAXOL (paclita	ixel): Mechanisms of action."	Annals of O	ncology (1994) 5 (Suppl	.6): S3-
	1111	S6.	•	·				
	AS		d G.I. "Taxol: th	e chemistry and structure-activ -227	ty relations	hips of a nove	l anticance	r agent."
	AT			nistry of Taxol." Pharmac Ther	(1991) 52:	1-33		
	AU	Kohler, David	R., et al. "Paclita	xel (Taxol)." (1994) Pharmaco	therapy 14	(1): 3-34		
	AV	Long, Harry J. 69: 341-345	" Paclitaxel (Tax	col): A Novel Anticancer Chem	otherapeuti	c Drug." Mayo	Clin Proc	(1994)
1	AW		l. "The Transpor	t and Binding of Taxol." Gen P	harmac (19	97) 29 (2): 16	7-172	
	AX	Preston, N.J. "1	Paclitaxel (Taxol) - a guide to administration." I	European J	of Cancer Care	(1996) 5:	147-
	AY	Rowinsky, Eric		linical Pharmacology and Use	of Antimicr	otubule Agent	s in Cance	r
				Ther (1991) 52: 35-84		G1 C4		,
	AZ	1		: The First of the Taxanes, an I ec.) 19(6): 646-662	mportant N	ew Class of Ai	ntitumor A	gents."
	BA			: Pharmacology, Metabolism as	nd Clinical	Implications."	Cancer Su	rvevs
		(1993) 17: 283						
	BB	Straubinger, Re	obert M. et al. "N	lovel Taxol Formulations: Taxo	ol-Containir	ng Liposomes.	" J Nat Ca	ncer Inst
	 		993) No.15: 69-		11	` D	t- " C	
	BC	Surveys (1993)		etics and Cancer: Successes, Fa	nures and r	uture Prospec	is. Cance	ŗ
	BD			roperties of PEG-Linked Protei	ns". Critica	l Review in Th	nerapeutic	Drug .
			s, 9(3, 4):249-30	04 (1992).				
				Continued on page 3				
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	BE	4,636,505	Jan 13,1987	Howard Tucker	514	256		
	BF	5,618,528	Apr 8, 1997	Cooper et al.	424	78.3		
	BG	5,744,592	Apr 28,1998	Hostetler et al.	536	22.1		
	BH	5,817,321	Oct 6, 1998	Alakhov et al.	424	400		
	BI	4,567,253	Jan 28, 1986	Durst et al.	536	18.1		
	ВЈ	5,605,976	Feb 25, 1997	Martinez et al.	525	408		
	BK	5,840,900	Nov 24,1998	Greenwald et al.	546	48		
	BL	5,880,131	Mar 9, 1999	Greenwald et al.	514	279		
	ВМ	5,932,462	Aug. 3, 1999	Harris et al.	435	188		
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	BN	EP 0 423 747 B1	17.10.1990	Europe	C07H 17	04	X	
	ВО	WO 98/10651	19 Mar 1998	WIPO	A01N	37/18	Х	
			•	g Author, Title, Journ				
	BP	Doyle et al. "Sec 17, 127-131.	ond generation a	nalogs of etoposide and	mitomycin C."	Cancer Treatm	ient Kevier	ws (1990
	BQ	Abstract. Spigel		ffect of intracarotid etop	oside on openin	ng the blood-br	ain barrier	."
	BR		eliv 1984 Summer gates Search in C	Chemical Abstracts File				
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	1.	Chabner et al., "A Pharmacological (McGraw-Hill, 1	Basis of Thera	Agents: Ep	ipodophyllot I. Hardman e	oxins," <i>Goodm</i> et al., Ninth Edi	an & Gilman tion, Chapter	s's The 51, 1261-1262			
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		several sheets if ne						<u> </u>
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	27.	6,113,906	09/05/00	Greenwald	et al.	424	194.1	
	28.	6,127,355	10/03/00	Greenwald	et al.	514	183	
	29.	6,153,655	11/28/00	Martinez et	al.	514	772.3	
	30.	6,177,087	01/23/01	Greenwald	et al.	424	278.1	
	31.	6,180,095	01/30/01	Greenwald	et al.	424	85.1	
	32.	6,194,580	02/27/01	Greenwald	et al.	546	48	
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		Document Number	Date		Country	Class	Subclass	Translation Yes No		
	1.	WO93/24476	12/09/93	PCT						
	2.	WO94/20453	09/15/94	PCT						
	3.	07082291	03/28/95	JP				X-Abstract		
	4.	0 895 784 A1	02/10/99	EP						
	5.	WO99/48536	09/30/99	PCT						
	6.	WO01/13957	03/01/01	PCT			<u></u>			
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CUMENTS CITED BY APPLICANT several sheets if necessary)

Attorney Docket Number -9233.14 9233.14DV

Serial No. 09/474,915 10/808,044

Applicants: Ekwuribe, et al.

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Filing Date: December 31, 1999moreh 24, 2004

Group Art . Unit: 1623

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Dat If Appropriat
	1.	5,122,614	06/16/92	Zalipsky	548	520	
	2.	5,219,564	06/15/93	Zalipsky et al.	424	78.17	
	3.	5,298,643	03/29/94	Greenwald	558	6	
	4.	5,321,095	06/14/94	Greenwald	. 525	404	
	5.	5,324,844	06/28/94	Zalipsky	548	520	
	6.	5,349,001	09/20/94	Greenwald et al.	525	408	
	7.	5,405,877	04/11/95	Greenwald et al.	514	772.3	
-	- 8.	5,455,027	10/03/95	Zalipsky et al.	424	78.17	
	9.	5,547,981	08/20/96	Greenwald et al.	514	449	
	. 10.	5,567,422	10/22/96	Greenwald	424	78.3	
	11.	5,612,460	03/18/97	Zalipsky	530	391.9	
	12.	5,614,549	03/25/97	Greenwald et al.	514	449	
	13.	5,622,986	04/22/97	Greenwald et al.	514	449	
	14.	5,637,749	06/10/97	Greenwald	558	6	
	15.	5,643,575	07/01/97	Martinez et al.	. 424	194.1	
	16.	5,681,567	10/28/97	Martinez et al	424	178.1	
	17.	5,730,990	03/24/98	Greenwald et al.	424	279.1	
	.18:	5,756,593	05/26/98	Martinez et al.	525	403	
	19.	5,808,096	09/15/98	Zalipsky	548	520	-7-
	20.	5,824,701	10/20/98	Greenwald et al.	514	449	-
	21.	5,902,588	05/11/99	Greenwald et al.	424	278.1	
	22.	5,919,455	07/06/99	Greenwald et al.	424	178.1	
	23.	5,965,119	10/12/99	Greenwald et al.	424	78.37	
	24.	5,965,566	10/12/99	Greenwald et al.	514	279	
	25.	6,011,042	01/04/00	Greenwald et al.	514	283	
	26.	6,111,107	08/29/00	Greenwald et al.	546	48	

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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office E CLIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)						Attorney Docket Number 9233.14 DV			Serial No 09/474,91.		
						Applicants: Ekwuribe, et al.					
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		Document Number	Date		Country		Class	Subclass	Translation Yes No		
	1.	WO 96/23794	8/8/96	PCT			C07D	491/22			
	2.	WO 97/33552	9/18/97	PCT			A61K	5/00			
	3.	WO 98/07713	2/26/98	PCT			C07D	305/14			
	4	WO 99/30727	6/24/99	PCT			A61K	38/00			
	5.	WO 00/64486	11/2/00	PCT			A61K	47/48			
	6.	WO 01/19407	3/22/01	PCT			A61K	47/48			
		OTHER DOCU	MENTS (Inc	luding Aut	thor,	Γitle, Date	Pertinent Pag	es, Etc.)			
	1.	Greenwald et al., "Drug Delivery of Anticancer Agents: Water Soluble 4-Poly (Ethylene Glycol) Derivatives of the Lignan, Podophyllotoxin," <i>Journal of Controlled Release</i> , 61:281-294 (1999).									
	2.	International Sear mailing: July 31, 2	ch Report cor								

		partment of Commerce ademark Office	Attorney Docket Number 9233.14DV	Serial No. 10/808,044			
LIST OF	DOCUMEN	TS CITED BY APPLICANT					
	(Use several	sheets if necessary)					
			Applicants: Ekwuribe et al.				
			Filing Date: March 24, 2004	Group			
	16.	U.S. Patent Application No. 10/774,90 Hydrolyzable Lipophile Components a 2004	3, entitled "Amphiphilic Drug-Oligomer Con and Methods for Making and Using the Same	jugates with filed February 9,			
	17.						
	18.						
	19.	U.S. Patent Application No. 09/429,798, entitled "Blood-Brain Barrier Therapeutics" filed October 29, 1999					
	20.	U.S. Patent Application No. 09/430,73	5, entitled "Methods of Inducing Analgesia"	filed October 29,			
	21.	U.S. Patent Application No. 10/716,975, entitled "Methods of Activating Receptor Using Amphiphilic Drug-Oligomer Conjugates" filed November 19, 2003					
	22.		78, entitled "Methods of Altering the Binding	Affinity of a			